Claims

1. A combined transformer including transformer chamber, LV chamber, HV. chamber and radiator,, wherein characterized in that: the radiator has hollow heat pipe in which heat transferring medium is filled, one end of the heat pipe is inserted into the transformer chamber, while the other end thereof is provided with radiating fins.

2. The combined transformer of claim 1, wherein the LV chamber is set above the transformer chamber, and the HV chamber is set at the side of transformer chamber.

3. The combined transformer of claim 2, wherein the transformer chamber and HV chamber are buried underground.

4. The combined transformer of claim 3, wherein the radiating fins are set above the transformer chamber.

5. The combined transformer of claim 3, wherein the transformer chamber on its side includes traditional liquid radiating fins.

6. The combined transformer of claim 3, wherein the transformer chamber is a sealed box in which transformer, transformer oil, protective fuse, HV load switch and tap switch are installed, the pressure relief valve of the box is set at the side wall of the box.

7. The combined transformer of claim 3, wherein the LV chamber has a door and a underground cable entry, a LV outgoing terminal, a LV switch, an oil temperature meter and an oil level meter are provided in the LV chamber.

8. The combined transformer of claim 3, wherein a HV cable socket and a HV cable entry are set in the HV chamber.

9. The combined transformer of claims 7 or 8, wherein a socket for protective fuse, an operating handle for HV load switch and a regulating handle for tap switch are provided in the LV or HV chamber.

10. The combined transformer of claim 3, wherein an insulation layer is set in the LV chamber at the bottom close to the transformer chamber.

11. A prefabricated substation including transformer chamber and transformer installed in the transformer chamber, switch room in which LV and HV chamber are set, radiator, characterized in that: the radiator has hollow heat

pipe in which heat transferring medium is filled, one end of the heat pipe is inserted into the transformer chamber, while the other end thereof is provided with radiating fins; the radiating fins are at outside of the switch room.

12. The prefabricated substation of claim 11, wherein the switch room is set above the transformer chamber.

13. The prefabricated substation of claim 12, wherein the HV and LV chamber have doors.

14. The prefabricated substation of claim 12, wherein the transformer chamber is enclosed with ground pit and cover plate.

15. The prefabricated substation of claim 14, wherein cable entry opening is set at the side of the ground pit.

16. The prefabricated substation of claim 15, wherein the ground pit is made of concrete while the cover plate is made of steel plate.

17. The prefabricated substation of claim 12, wherein the transformer is oil-immersed transformer, a waterproof cable is used for the connection between HV and LV outgoing line and HV and LV chamber, and waterproof socket shall be used for cable gland.